

L4 ANSWER 1 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN

AN 2002:47457 AGRICOLA

DN IND23281536

TI Resistance against **herbicide isoxaben** and cellulose deficiency caused by distinct mutations in same **cellulose synthase** isoform CESA6. ✓

AU Desprez, T.; Vernhettes, S.; Fagard, M.; Refregier, G.; Desnos, T.; Aletti, E.; Py, N.; Pelletier, S.; Hofte, H.

AV DNAL (450 P692)

SO Plant physiology, Feb 2002. Vol. 128, No. 2. p. 482-490  
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-  
CODEN: PLPHAY; ISSN: 0032-0889

NTE Includes references

CY Maryland; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L4 ANSWER 2 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN

AN 2001:83623 AGRICOLA

DN IND23239703

TI Modifications of **cellulose synthase** confer resistance to **isoxaben** and thiazolidinone **herbicides** in *Arabidopsis* *Ixr1* mutants. ✓

AU Scheible, W.R.; Eshed, R.; Richmond, T.; Delmer, D.; Somerville, C.

AV DNAL (500 N21P)

SO Proceedings of the National Academy of Sciences of the United States of America, Aug 28, 2001. Vol. 98, No. 18. p. 10079-10084  
Publisher: Washington, D.C. : National Academy of Sciences,  
CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references

CY District of Columbia; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:658276 CAPLUS  
 DN 137:198479  
 TI Genes essential for early growth of *Arabidopsis thaliana* and their use in the development of novel **herbicides**  
 IN Plesch, Gunnar; Blau, Astrid; Daeschner, Klaus; Klein, Mathieu  
 PA Metanomics G.m.b.H. & Co. K.-G.a.A., Germany  
 SO PCT Int. Appl., 224 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066660	A2	20020829	WO 2002-EP1466	20020213
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10107843	A1	20021017	DE 2001-10107843	20010216
	DE 10125537	A1	20030424	DE 2001-10125537	20010523
PRAI	DE 2001-10107843	A	20010216		
	DE 2001-10125537	A	20010523		

L3 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:658781 CAPLUS  
 DN 137:196691  
 TI Cloning cDNAs encoding plant **cellulose synthases** and their potential use in improving plant stalk quality in transgenic plants or for **herbicide** development  
 IN Allen, Stephen M. *check out*  
 PA USA  
 SO U.S. Pat. Appl. Publ., 76 pp., Cont.-in-part of U.S. Ser. No. 720,383.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002120124	A1	20020829	US 2001-900237	20010706
	WO 2000004166	A2	20000127	WO 1999-US15871	19990713
	WO 2000004166	A3	20000427		
	W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 1998-92844P	P	19980714		
	WO 1999-US15871	W	19990713		
	US 2000-720383	A2	20001221		

L3 ANSWER 3 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.

TI Recent progress in studies on cellulose biosynthesis in plants.  
AU Delmer, Deborah P.  
CS Section of Plant Biology, University of California, Davis, CA, 95616, USA  
SO Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March  
26-30, 2000 (2000), CELL-002 Publisher: American Chemical Society,  
Washington, D. C.  
CODEN: 69CLAC  
DT Conference; Meeting Abstract  
LA English

L3 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1998:795138 CAPLUS  
DN 130:62017  
TI In situ modification of plant genes for improved **herbicide**  
resistance  
IN Hawkes, Timothy Robert; Greenland, Andrew James; Evans, Ian Jeffrey  
PA Zeneca Limited, UK  
SO PCT Int. Appl., 49 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9854330	A1	19981203	WO 1998-GB1499	19980522
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	GB 2326163	A1	19981216	GB 1998-11138	19980522
	AU 9875414	A1	19981230	AU 1998-75414	19980522
	EP 1017825	A1	20000712	EP 1998-922954	19980522
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002503101	T2	20020129	JP 1999-500360	19980522
PRAI	GB 1997-11015	A	19970528		
	WO 1998-GB1499	W	19980522		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1991:673290 CAPLUS  
DN 115:273290  
TI Strategy and methods in screening of new microbial metabolites for plant  
protection  
AU Omura, Satoshi; Tanaka, Toshitake  
CS Res. Cent. Biol. Funct., Kitasato Inst., Tokyo, 108, Japan  
SO Pestic. Chem.: Adv. Int. Res., Dev., Legis., Proc. Int. Congr. Pestic.  
Chem., 7th (1991), Meeting Date 1990, 87-96. Editor(s): Frehse, Helmut.  
Publisher: VCH, Weinheim, Fed. Rep. Ger.  
CODEN: 57LPAA  
DT Conference; General Review  
LA English

L3 ANSWER 12 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1988:99942 BIOSIS  
DN BR34:46284  
TI EFFECTS OF 2,6 DCB ON PLASMA MEMBRANE ROSETTES OF WHEAT ROOT CELLS.  
AU HERTH W  
CS ZELLENLEHRE UNIV., D-6900 HEIDELBERG.

SO Naturwissenschaften, (1987) 74 (11), 556-557.  
CODEN: NATWAY. ISSN: 0028-1042.  
FS BR; OLD  
LA English

L3 ANSWER 13 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
DUPLICATE 5  
AN 1987:362920 BIOSIS  
DN BA84:60323  
TI IDENTIFICATION OF A RECEPTOR PROTEIN IN COTTON FIBERS FOR THE  
HERBICIDE 2,6 DICHLOROBENZONITRILE.  
AU DELMER D P; READ S M; COPPER G  
CS DEP. BOTANY, INST. LIFE SCIENCES, HEBREW UNIV., JERUSALEM, ISRAEL.  
SO PLANT PHYSIOL (BETHESDA), (1987) 84 (2), 415-420.  
CODEN: PLPHAY. ISSN: 0032-0889.  
FS BA; OLD  
LA English

=> d his

(FILE 'HOME' ENTERED AT 15:19:29 ON 22 JUL 2003)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 15:19:35 ON 22 JUL 2003  
L1 543 S CELLULOSE SYNTHASE  
L2 24 S L1 AND HERBICIDE  
L3 13 DUP REM L2 (11 DUPLICATES REMOVED)

(2003) on STN DUPLICATE 1

AN 2003:35536 AGRICOLA

DN IND23325757

TI Dimerization of cotton fiber **cellulose synthase**  
catalytic subunits occurs via oxidation of the zinc-binding domains.

AU Kurek, I.; Kawagoe, Y.; Jacob-Wilk, D.; Doblin, M.; Delmer, D.

AV DNAL (500 N21P)

SO Proceedings of the National Academy of Sciences of the United States of America, Aug 20, 2002. Vol. 99, No. 17. p. 11109-11114 ✓  
Publisher: Washington, D.C. : National Academy of Sciences,  
CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references

CY District of Columbia; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 4 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2003) on STN DUPLICATE 2

AN 2002:47457 AGRICOLA

DN IND23281536

TI Resistance against **herbicide** isoxaben and cellulose deficiency caused by distinct mutations in same **cellulose synthase** isoform CESA6.

AU Desprez, T.; Vernhettes, S.; Fagard, M.; Refregier, G.; Desnos, T.; Aletti, E.; Py, N.; Pelletier, S.; Hofte, H.

AV DNAL (450 P692)

SO Plant physiology, Feb 2002. Vol. 128, No. 2. p. 482-490 ✓  
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-  
CODEN: PLPHAY; ISSN: 0032-0889

NTE Includes references

CY Maryland; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 5 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2003) on STN DUPLICATE 3

AN 2001:83623 AGRICOLA

DN IND23239703

TI Modifications of **cellulose synthase** confer resistance to isoxaben and thiazolidinone **herbicides** in *Arabidopsis* *lcr1* mutants.

AU Scheible, W.R.; Eshed, R.; Richmond, T.; Delmer, D.; Somerville, C.

AV DNAL (500 N21P)

SO Proceedings of the National Academy of Sciences of the United States of America, Aug 28, 2001. Vol. 98, No. 18. p. 10079-10084 ✓  
Publisher: Washington, D.C. : National Academy of Sciences,  
CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references

CY District of Columbia; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 6 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2003) on STN DUPLICATE 4

AN 2002:9276 AGRICOLA

DN IND23249628  
TI The experimental herbicide CGA 325'615 inhibits synthesis of  
crystalline cellulose and causes accumulation of non-crystalline  
beta-1,4-glucan associated with CesA protein.  
AU Peng, L.; Xiang, F.; Roberts, E.; Kawagoe, Y.; Greve, L.C.; Kreuz, K.;  
Delmer, D.P.  
AV DNAL (450 P692)  
SO Plant physiology, July 2001. Vol. 126, No. 3. p. 981-992  
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-  
CODEN: PLPHAY; ISSN: 0032-0889  
NTE Includes references  
CY Maryland; United States  
DT Article; Conference  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L3 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:197944 CAPLUS  
TI CesA genes and their role in cellulose synthesis  
AU Delmer, Deborah P.; Peng, Liancai; Doblin, Monika; Hogan, Pat; Jacob-Wilk,  
Debbie; Eshed, Ravit  
CS Section of Plant Biology, University of California Davis, Davis, CA,  
95616, USA  
SO Abstracts of Papers - American Chemical Society (2001), 221st, CELL-106  
CODEN: ACSRAL; ISSN: 0065-7727  
PB American Chemical Society  
DT Journal; Meeting Abstract  
LA English

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2000:824429 CAPLUS  
DN 133:359795  
TI The rice actin 2 promoter and intron and their use for plant  
transformation  
IN McElroy, David; Wu, Ray  
PA Dekalb Genetics Corporation, USA; Cornell Research Foundation, Inc.  
SO PCT Int. Appl., 180 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000070067	A1	20001123	WO 2000-US13303	20000512
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6429357	B1	20020806	US 1999-312304	19990514
EP 1179081	A1	20020213	EP 2000-942636	20000512
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI US 1999-312304	A1	19990514		
WO 2000-US13303	W	20000512		

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2000:327860 CAPLUS

1,4,5

L10 ANSWER 1 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN  
AN 2002:62357 AGRICOLA  
DN IND23290379  
TI Plant callose synthase complexes.  
AU Verma, D.P.S.; Hong, Z.  
AV DNAL (QK710.P62)  
SO Plant molecular biology, Dec 2001. Vol. 47, No. 6. p. 693-701  
Publisher: Dordrecht : Kluwer Academic Publishers.  
CODEN: PMBIDB; ISSN: 0167-4412  
NTE Includes references  
CY Netherlands  
DT Article; Law  
FS Non-U.S. Imprint other than FAO  
LA English  
  
L10 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2001:197920 CAPLUS  
TI Cellulose structure and biosynthesis: New insights  
AU Brown, R. Malcolm, Jr.  
CS Section of Molecular Genetics and Microbiology, The University of Texas at Austin, Austin, TX, 78712, USA  
SO Abstracts of Papers - American Chemical Society (2001), 221st, CELL-083  
CODEN: ACSRAL; ISSN: 0065-7727  
PB American Chemical Society  
DT Journal; Meeting Abstract  
LA English  
  
L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1998:288438 CAPLUS  
DN 129:27021  
TI Plant cell walls are targets for biotechnology  
AU Chapple, Clint; Carpita, Nick  
CS Department of Biochemistry, Purdue University, West Lafayette, IN, 47907, USA  
SO Current Opinion in Plant Biology (1998), 1(2), 179-185  
CODEN: COPBFZ; ISSN: 1369-5266  
PB Current Biology Ltd.  
DT Journal; General Review  
LA English  
RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 15:19:29 ON 22 JUL 2003)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 15:19:35 ON 22 JUL 2003  
L1 543 S CELLULOSE SYNTHASE  
L2 24 S L1 AND HERBICIDE  
L3 13 DUP REM L2 (11 DUPLICATES REMOVED)  
L4 2 S L3 AND ISOXABEN  
L5 7 S L1 AND (ISOXABEN OR THIAZOLIDINONE)  
L6 2 DUP REM L5 (5 DUPLICATES REMOVED)  
L7 59 S L1 AND REVIEW  
L8 48 DUP REM L7 (11 DUPLICATES REMOVED)  
L9 0 S L8 AND TRANSGENE  
L10 5 S L8 AND TRANSGEN#####